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#### **ABSTRACT**

Focusing on phonograms and generalizations about phonics, this paper presents a comprehensive letter-sound study. The first chapter discusses the phonogram component of phonics, the Arthur Gates study of phonograms in 1928, the phonics generalizations studies of the 1960s, and the lack of a comprehensive study of the letter-sound relationship. The second chapter describes a comprehensive letter-sound study in which letter-sound relationships are noted in 16 generalizations, while chapter 3 has two parts, the first explaining the selection of the words listed in the second part, which focuses on blending short vowel sounds with single and blended consonant sounds. Chapter 4 discusses teaching automatic reading techniques -- a modification of the repeated reading techniques -- that will enable children to use the decoding skills they have learned to read text fluently. Appendixes include a list of parameters for the data presented in this report and a list of children's books that includes titles of both honorable mention and award-winning Caldecott and Newbery books. (EL)



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BEGINNING READING: MAKING IT WORK

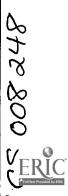
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#### Chapter 1

## PHONICS AND THE MAYFLOWER MYTH

I laughed at a cartoon handed to me by my sister picturing a distinguished professor addressing a graduating class with the words: "There are many of you who never thought that you'd make it this far . . . especially those of you who can't read or write." As I thought about the caption of the cartoon I recalled a humorless incident that happened to me in my undergraduate days.

As was my custom during spring exam week, I rose at an early hour and stumbled sleepily to my desk scantily clad in Fruit-of-the-Loom briefs to do last minute cramming. I soon settled into reviewing my notes but I was jarred from my concentration by someone urgently ringing my doorbell. I grabbed an old pair of jeans that drooped over a chair and struggled to pull them up as I tripped toward the door. Half clothed, I swung the door open. On my front porch stood my next-door neighbor, Mary, thrusting toward me a crumpled paper upon which I could see barely legible scrawls. "What does this say?" she asked with perplexity



written in her eyes. Slowly I read the scrawls: "Darling Mary, I love you but I can no longer live with you. Goodby, George." Bursting into tears she sobbed, "Oh, no! He left me! He left me!"

Reasons for illiteracy, such as Mary's, stem from a variety of sources. One source is the misunderstanding that has shrouded phonics—a principal tool used for teaching beginning reading. The root of the problem with phonics can be traced back to the Mayflower.

Young children standing on the deck of this small vessel scanned the horizon for their first glimpse of the new world while they clasped their hornbooks and battledores. The most common of these listed the upper and lower case letters, pursued by isolated vowels, and then a primitive phonic lesson presented in the form of two-letter nonsense phonograms, such as <u>ab</u>, <u>eb</u>, <u>ib</u>, <u>ob</u>, <u>ub</u>. Later these phonograms were printed in the front of many primers, including the <u>Protestant Tutor</u> and the <u>New England Primer</u>, which served to entrench them in beginning reading programs.

Shortly after the Revolutionary War, Noah Webster, in what would later become affectionately known as the <u>Blue-Back</u>

<u>Speller</u>, expanded the phonogram nonsense to patterns such as <u>spra</u>, <u>spre</u>, <u>spri</u>. Webster also introduced a large number of



phonic "rules" or generalizations—several of which remain popular today.

Still later Horace Mann, convinced of the superiority of the Prussian model of teaching beginning reading through sounding out letters to make words as compared to the American A-B-C-darian model of saying each letter followed by saying the word, used his powerful pen to effect change. In a few short years letter-sound phonics came to be used extensively in beginning reading curricula. Moreover, the inclusion of-letter-sound phonics with phonograms and phonic generalizations completed the triangular foundation upon which modern phonic programs are built.

The trend to emphasize phonics, most notably the phonogram component of phonics, continued. Betts noted, for example, that by 1920 one program "offered almost eighteen weeks of drill on pronouncing isolated phonograms (e.g., <u>ba</u>, <u>ca</u>, <u>da</u>) before the child had any real idea of reading." Betts further observed that the more sensible teachers began to sarcastically label this system as the "hiss and groan" method of teaching reading.

In 1928 Gates published a study that remains the most definitive study of the long-taught and nearly sacrosanct hiss and groan nonsense. He reported that he searched more than 1200 words to determine the relative frequency of each



possible two-letter phonogram: <u>aa</u>, <u>ab</u>, <u>ac</u>, <u>ad</u>, <u>ae</u>, and so on. He similarly determined the frequencies of the more common three-, four-, five-, six-, and seven-letter phonograms. Eventually, some 4100 phonograms were identified of which only 167 occurred with enough frequency to warrant furcher study. Gates summed up his study of this final handful of phonograms as follows:

Many [of these 167 phonograms] are of types which are not easily perceived and which are not convenient pronunciation units; many are found in words which include other elements of very low frequency of occurrence. Add to these difficulties the fact that the most frequent phonograms consist of letter combinations that have on the average two other very different sounds, and a very complex situation is revealed.

This report soured educators against using phonograms as it renewed their interest in teaching phonic generalizations. ВУ the early 1960's the generalizations, like predecessors, the phonograms, thoroughly cluttered basal reading manuals. Clymer, noting that the generalizations presented in these manuals without documentation, conducted the first comprehensive examination to determine their practical utility. He chose four popular manuals from which he drew over 150 phonic generalizations or "statements", including "(1) statements [that were] to be taught to the pupils, (2) statements [that were] to be derived by the pupils after inductive teaching, and (3) statements [that were presented] with no clear indication as



to what was to be done." Clymer pared this number down to forty-five which he subsequently studied in depth. The results of his study showed that only 18 of the final 45 generalizations could be used to predict letter-sound relationships with at least 75 percent accuracy. Moreover, this final cluster of generalizations were minimally useful because they represented at best a shotgun approach rather than a comprehensive approach to describing the letter-sound relationships of the English language.

After reading the Gates and Clymer studies, I turned to the reading literature in search of a comprehensive study of the letter-sound relationships--the third and most component of the triangular base of phonic instruction. To my surprise, I found that, although the phonograms and phonic generalizations were supposedly developed justifiable letter-sound relationships, nο exhaustive letter-sound examination existed upon which the phonograms and generalizations could have been built. Without this basic research it is little wonder that the phonogram and pnonic generalization studies supported so little of what was being taught in the phonic component of reading Moreover, it was clear that this poor showing programs. could have been avoided if phonics had been built upon a comprehensive letter-sound study such as the one that is described in the following chapter.



#### Chapter 2

## ENGLISH GETS NO RESPECT

"The English have no respect for their language....
They spell it so abominably that no man can teach
himself what it sounds like.... German and Spanish
are accessible to foreigners; English is not
accessible even to Englishmen" wrote George Bernard
Shaw in the preface to volume I of Bernard Shaw:
Complete Plays with Prefaces (1963).

Many people believe that the letter-sound relationships of the English language are, as Shaw described them, "abominable'. However, does a careful analysis of the letter-sound relationships support the notion that these relationships are, in fact, abominable? I designed the following examination to answer this question.

My first step preparatory to conducting the examination itself was to select a suitable word list. After reviewing several lists, I choose 17,211 words from the 17,310 words originally compiled by Thorndike and Lorge and updated by Hanna and the other members of the Stanford Spelling Project. In part, I selected this list because it was a large computerized list of words actually drawn from a wide array of children's literature. Secondly, I selected the



list because the words were coded according to their relative frequency of appearance.

I began my study by organizing the various vowel letters into one of five groups: (1) R-Controlled Vowels (car), (2) Vowel Phonograms (count), (3) Adjacent Vowels (see), (4) Final Single Vowel-Consonant-E (came), and (5) Single Vowels (cat); similarly, I classified the consonants into one of three consonant groups: (1) Consonant Phonograms (action), (2) Consonant Di/Trigraphs (bath), and (3) Single Consonants (an). This is shown graphically in the phonic model found in Table 2.1.

Table 2.1
Gates Phonic Model

#### WORDS

VOWEL CATEGORIES >>>> SYLLABLES <>>> CONSONANT CATEGORIES (Always Used) (Used with Vowels)

#### Options

--R-Controlled Vowels
--Vowel Phonograms
--Final Vowel-Consonant-E
--Adjacent Vowels
--Single Vowels

Options

--Consonant Phonograms
--Consonant Di/Trigraphs
--Single Consonants
(Including Blends)

This model, which embraces virtually all of the letter combinations in the English language, suggests that words



are made of syllables and that syllables are made of one of the five various vowel options combined with, when used, one or more of the three consonant options. I excluded from my study the r-controlled vowel option because it has been studied in depth elsewhere. However, each of the other vowel and consonant options found in Table 2.1 were analyzed according to the parameters that I established for the computer assisted study (see the parameters in Appendix 1). Results of my examination are listed in Table 2.2. (It is important to note that the letter units are intended to be used in the order of their appearance in the table).

Table 2.2

Letter-Sound Relationships of Various Letter Units

	Total Corpus Conformations/	<del></del>
	Total Words	
	with the	
Examples(s)*	Combination	<u> </u>
Final Single Vowe	1-(.onsonant-E	
pace/palace	36/37	97
page/average	105/114	92
date/private	448/448	100
base	223/230	97
these	58/68	85
nice/notice	52/55	95
unpredictable	59 words	
unpredictable	118 words	
massive	51/51	100
native	131/131	100
like	391/422	93
unpredictab!e	24 words	
handsome	22/23	96
hole	219/2 '3	90
use/rule	180/188	96
	Final Single Vowe  pace/palace page/average date/private base these nice/notice unpredictable unpredictable massive native like unpredictable handsome hole	Conformations/ Total Words with the Examples(s)* Combination  Final Single Vowel-(onsonant-E  pace/palace 36/37 page/average 105/114 date/private 448/448 base 223/230 these 58/68 nice/notice 52/55 unpredictable 59 words unpredictable 118 words massive 51/51 native 131/131 like 391/422 unpredictable 24 words handsome 22/23 hole 219/2'3



Table 2.2 (Continued)

	_	Total Corpus	
		Conformations/	
		Total Words	
Phonic		with the	
Units	Evamples(s)×		•,
UIII (S	Examples(s)*	Combination	<u> </u>
	<u>Adjacent V</u>	Jowe 1 s	
ΔI	fail	227/262	87
AU	autumn	154/169	91
AY	day	121/123	98
EAL (except	deal/realize	48/58	83
- <u>ealth</u> )			
EA	beat/head	398/449	89
EE	see	257/263	98
CIA (except	special	54/56	96
- <u>ciate</u> )			
-IATE	deviate/opiate	36/37	97
IA	unpredictable	248 words	
-IE (one syl- lable word)	tie	11/11	100
IEN	unpredictable	93d-	
IET	diet	82 words 14/15	93
IE	brief	73/82	93 89
ION	action	938/982	96
10	unpredictable	930/902 83 words	70
0A	boat	98/111	88
01	join	99/108	92
FOOT (root)	foot	17/17	100
00D	unpredictable	69 words	
00K	book	33/34	97
00	moon	174/186	94
OUN	count	103/109	94
-ous	famous	145/146	99
OUSE	douse/rouse	43/44	98
OU	unpredictable	219 words	
OΜ	blow/town	193/197	98

Table 2.2 (Continued)

		Total Corpus	
		Conformations/	
		Total Words	
Phonic		with the	
Units	Examples(s)*	<u>Combination</u>	<u> </u>
	Single Vowe	<u>als</u>	
ALL (one syl- lable root)	ball	38/39	97
ATION	nation	431/442	98
WA	unpredictable	76 words	tinto tinto
A	act/about	4054/4515	90
-E	dance	571/586	97
E (excluding final e, except -Con-L-E)	end/pretty/happen	4975/5389	92
I GHT	night	78/80	98
I (except ight)	big/animal	5653/5959	95
0	unpredictable	3562 words	
U-Con-Vow	music/numerous/ popular	724/882	82
U (except U-Con-Vow)	cup/supply	1 468/1 549	95
Y (medial)	unpredictable	307 words	
-FY	defy	61/65	94
-Y (one syllable)	ру	17/17	100
<b>-</b> Y	happy	1593/1608	99
	Consonant Related	Phonograms	
	precious	40/40	100
SION	pension/vision	136/136	100
TION	action	772/784	98
TIQUS	ambitious	23/23	100

Table 2.2 (Continued)

		Total Corpus	
		Conformations/	
Phonic		Total Words	
Units	F.,,,,,1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	with the	• •
Units	Examples(s)*	<u>Combinatic</u> n	<u> </u>
	Consonant Diz	<u>Trigraphs</u>	
СН	church/ache	528/568	93
CK	back	296/297	99
DG	judge	57/57	100
GHT	night	128/128	100
GH (except GHT)		50 words	
-GN	sign	18/18	100
KN	Knife	35/38	92
NG	along/strange	550/583	94
PH	phase	229/230	99
SH	ship	403/404	99
TCH	hatch	63/64	98
TH	both/although	552/561	98
WH (except <u>who</u>	which	91/93	
<u>whole</u> , and			
inflections)			
WR	wrench	49/49	100
	<u>Single Con</u>	<u>sonants</u>	
В	bib	2246/2280	99
Cia	special	63/69	91
Ce, Ci, Cy (ex- cept <u>cia</u> )		1299/1311	99
C (hard)	cup	3344/3349	99
D	deed	3562/3636	98
F	find	1755/1758	99
Ge	age	373/422	88
Gi	magic	156/187	83
Gy	energy	82/82	100
G (hard)	go	1049/1056	99
H	hat	724/786	92
J	jug	233/233	100
K	kiss	621/621	100
L	lid	5791/5825	99
M	mit	1343/1343	100
N	not	6496/6503	99
P	pop	3267/3296	99
Qu	queen, liquor	258/258	100
R	roar	8320/8323	99



Table 2.2 (Continued)

		Total Corpus Conformations			
		Tota! Words			
Phonic		with the			
<u>Units</u>	Examples(s)*	Combination		_	<u> </u>
C					
S.	see, easy	<b>5</b> 375/ <b>5</b> 453			99
Tia	initial	44/48			92
Tu	turn, nature	370/370			100
T (except <u>tia</u>	tot	6402/6458			100
	and	tu)			
V	valve	1476/1476			100
W	with	529/540			98
X	tax, example	644/654			98
Υ	yard	53/54			98
<u>Z</u>	zebra	255/267			96
*The <u>American</u>	Heritage Diction		used	as	the
pronunciation (	reference.				

The results of my study, which are tabulated in Table 2.2, show that all but twelve of the 102 identified letter units are highly predictable. (Moreover, notice that the single vowel of accounts for 73 percent of these unpredictable situations [3562/4897]). The various letter units found in Table 2.2 are reorganized in Table 2.3. This reorganization shows that it is these twelve letter groups which significantly lower the overall phonic predictability of the English language. Placing these twelve letter units aside enables one to predetermine the remaining letter—sound relationships with the almost unbelievable accuracy of 97 percent.

The data listed in Table 2.2 is generalized in Table 2.4. The  $\underline{r}$ -controlled generalization found in Table 2.4 was developed by combining the data discovered by previous



researchers; the remaining generalizations were synthesized from the data reported in the present study. (The generalizations in Table 2.4, like the data presented in Table 2.2, are intended to be used in the order in which they are presented).

Table 2.3

Combined Phonic Predictability
of the Letter Units

	Total of Words in Each Category Including Unpredictable Word Groups		Total of Words in Each Cate- Excluding Unpredictable Word Groups	%
Adjacent Vowels	3236/4160 1916/2211	78 87		94 95
Single Vowels	19,663/25,076	78	19,663/21,131	93
Vowel Totals	24,815/31,447	79	24,815/26,600	93
	into any anti-any anti-any anti-any anti-any anti-any anti-any		and the man page date date date date date date date dat	
Consonant Phonograms	971/983	99	971/983	99
Consonant Di/Trigraphs	2999/3140			97
Single Consonants	56,130/56,658	99	56,130/56,658	99
Consonant Totals	60,100/60,781	99	60,100/60,731	99
ted and the tod and tod and the date one of the total and the date one tod and total and and total and	total man divide		anto della	
GRAND TOTAL	84,915/92,228	92	84,915/87,331	97

As a group these sixteen generalizations comprehensively describe the letter-sound relationships of the English language. However, these sixteen generalizations were



included for descriptive purposes and were <u>not</u> intended to be taught to beginning readers. This is because, as a whole, beginning readers find it more useful to learn actual groups of words that phonic generalizations umbrella and not the generalizations themselves. With this in mind, the letter-sound relationships noted in the sixteen generalizations are transformed into the word groups found in the following chapter.

#### Table 2.4

Phonic Generalizations Relating to all Major Letter Relationships in the English Language

#### R-Controlled Vowels

The  $\underline{r}$  gives the immediately preceding vowel(s) a sound that is neither long or short.

#### Final Vowel-Consonant-E

When a word ends in a single vowel-consonant- $\underline{e}$ , the final  $\underline{e}$  is silent and the vowel is long or has the short  $\underline{i}$  sound, except - $\underline{some}$  as in handsome, and the unpredictable combinations - $\underline{ile}$ , - $\underline{ine}$ , and - $\underline{ove}$ .

#### Adjacent Vowels

The following pronograms usually have either one of two sounds: <a href="mailto:eal">eal</a> (except <a href="ealth">ealth</a>) as in deal or realize, <a href="mailto-iate">-iate</a> as in douse or rouse; while the following phonograms usually have one sound: <a href="mailto:cia">cia</a> (except <a href="mailto:cia">-ciate</a>) as in special, <a href="mailto:foot">foot</a> which is a root word, <a href="mailto:iet">iet</a> as in diet, <a href="mailto:ion">ion</a> as in famous.



The phonograms <u>ien</u> and <u>ood</u> and the following adjacent vowels are unpredictable: <u>ia</u> (except <u>-iate</u> and <u>cia</u>), <u>io</u> (except <u>ion</u>), and <u>ou</u> (except <u>ouse</u>, <u>-oun</u>, and <u>-ous</u>).

The following pairs usually have either one of two sounds: ea as in beat or head and ow as in blow or town; while the following pairs generally have one sound: ai as in fail, au as in autumn, ay as in day, ee as in see, final ie in one syllable words like tie, other ie vowel pairs as in field, oa as in boat, oo as in moon, and oi as in join.

#### Single Vowels

A single vowel <u>a</u> or <u>i</u> usually has either its short sound or becomes schwa, except <u>-all</u> in one syllable words like ball, <u>-ation</u> as in nation, <u>wa</u> which is unpredictable, and <u>-ight</u> as in night.

A final single vowel e is silent except final consonant-1-e.

A single <u>e</u> usually has its short sound or gets reduced to schwa or short <u>i</u>, accept final consonant+<u>l</u>+<u>e</u> as in <u>uncle</u>, otherwise except final <u>e</u>.

A single vowel <u>u</u> is unpredictable.

A single vowel  $\underline{u}$  in a  $\underline{u}$ +consonant+vowel series usually has a sound heard in music, numerous, or popular; otherwise it usually has its short sound or gets reduced to schwa.

A single vowel y that does not end a word is unpredictable.

A final single vowel  $\underline{y}$  that ends a one syllable word or ends a word preceded by  $\underline{f}$  usually has the long  $\underline{i}$  sound as in by or defy; otherwise, a final single vowel  $\underline{y}$  usually has the sound heard in happy.

#### Consonant Generalizations

Either one of two sounds is usually heard for the phonogram sion as in pension or vision while a single sound is usually heard for the phonograms cious, tion, and tious as in precious, action, and ambitious respectively.



Either one of two sounds is usually heard for the digraphs  $\underline{ch}$ ,  $\underline{dq}$ , and  $\underline{th}$  while a single sound is usually heard for the other di/trigraphs which include  $\underline{ck}$ ,  $\underline{dq}$ ,  $\underline{qht}$ ,  $\underline{-qn}$ ,  $\underline{kn}$ ,  $\underline{ph}$ ,  $\underline{sh}$ ,  $\underline{tch}$ ,  $\underline{wh}$ , and  $\underline{wr}$  (except the unpredictable digraph  $\underline{qh}$  and the words  $\underline{who}$ ,  $\underline{whole}$ , and their inflections).

Either one of two sounds or set of sounds is usually heard for the single consonants  $\underline{\mathbf{q}}$ ,  $\underline{\mathbf{s}}$ , and  $\underline{\mathbf{x}}$  while a single sound is usually heard for the remaining single consonants (except the special sounds of  $\underline{\mathbf{c}}$  or  $\underline{\mathbf{q}}$  followed by  $\underline{\mathbf{e}}$ ,  $\underline{\mathbf{i}}$ , or  $\underline{\mathbf{y}}$ ;  $\underline{\mathbf{c}}$  or  $\underline{\mathbf{t}}$  followed by  $\underline{\mathbf{ai}}$ ; and  $\underline{\mathbf{t}}$  followed by  $\underline{\mathbf{u}}$ ).



#### Chapter 3: Part 1

#### FATHERS, DO NOT TEACH YOUR DAUGHTERS

[My first grade teacher, Miss Caroline] went to the blackboard and printed the alphabet in enormous square capitals, turned to the class and asked, "Does anybody know what these are?"

Everybody did; most of the class had failed it last year.

I suppose she chose me because she knew my name; as I read the alphabet a faint line appeared between her eyebrows, and after making me read most of My First Reader and the stock market quotations from Mobile Register aloud, she discovered that I was literate and looked at me with more than faint distaste. Miss Caroline told me to tell my father not to teach me any more, it would interfere with my reading....

...Now you tell your father not to teach you anymore. It is best to begin with a fresh mind. You tell him I'll take over from here and try to undo the damage. (Harper Lee, <u>To Kill a Mockingbird</u>).

Unlike the teaching methods used by Miss Caroline who forced her students to progress methodically through all of the preplanned beginning reading exercises irrespective of their ability, those who have mastered basic reading skills should be freed to learn more advanced reading skills. However, those lacking these skills need to learn to break the code as simply and as quickly as possible. The word sheets,



which are included at the end of this chapter, are designed to accomplish the greater portion of this task.

Each word i n the word sheets occurs frequently determined by the frequency count given to each word in the Stanford word list) except the word lists where high-frequency words were found. These include the au. kn. and wr lists as well as the -Cle syllabication sheet. In addition, all the words found in the word lists have pr dictable letter combinations except for the inclusion of the unpredictable single vowel o. Because this vowel is the only unpredictable letter or letter pattern to occur with great regularity it was decided to include it in some of the one syllable word lists in order to give the beginning reader a sense of the one major sound of a range of sounds that this vowel may represent. The single vowel  $\underline{o}$  does not reappear, however, in the syllabication word lists. It is also worth mentioning that, although the letter immediately following single or paired vowels modifies the sounds of the vowels, the actual pronunciation of the <u>r</u>-controlled cannot be generalized because they vary widely from one dialetical region to another. Accordingly, vowels followed by an  $\underline{r}$  were excluded from the word lists.

Furthermore, the word lists include virtually all of the concepts identified in Table 2.2 of the previous chapter. In Keeping with the general outline of this table, the lists



are organized into six groups: (1) Short Vowels with Single/Blended Consonants, (2) One Syllable -VCE Words, (3) Adjacent Vowels, (4) Consonant Di/Trigraphs, (5) Selected Single Vowel Phonograms, and (6) Syllabication. The one syllable word lists, which include all of the lists except those introduced under syllabication, were developed so that the phonic elements to be introduced are the major focus of the sheet. This was done, for example, by including single consonants in the adjacent vowel word sheets (see and seem) as opposed to introducing the adjacent vowels along with more complex consonant combinations (street or speech). The one syllable word sheets are followed by syllabication sheets that were designed, on the other hand, to introduce a variety of more complex letter combinations.

Typically, early beginning readers will need to be introduced to all of the word sheets. However, the ability of more advanced beginning readers and of the minimally capable but reading disabled should be tested to determine which of the word sheets they have already mastered and which they need to learn. This can be easily determined by noting the skill of the students as they read a few words from each word sheet.

Once the appropriate word sheets are selected, it will be helpful to occasionally teach the one syllable word sheets by having the students "sound out the words". However,



sounding out the words frequently leads to slow word calling in which the proper pronunciation of the word cat, for example, becomes grossly mispronounced as <u>cu-a-tu</u>. In most cases a more satisfying result will be achieved if sounding out is replaced by a teacher (or a mechanical computeriz. ? "reader") who reads and rereads the group of words that are to be learned while the beginning readers visually follow along parroting the words. Beginning readers who are taught the words in the lists using this technique will soon pass beyond parroting to unassisted fluent reading of the words. This technique, which takes the beginning readers away from slowly sounding out words, may appear at first glance to be "too simple"; however, the technique employs strategies similar to those employed in repeated reading strategies--simple but useful techniques described in the following chapter. Moreover, beginning readers using this technique will, like mature readers, learn to spontaneously apply the phonic skills that were carefully built into the word sheets.

Similar teaching techniques can be employed for teaching the syllabication sheets. However, additional practice is usually needed to help insure retention. The likelihood of long term retention can be improved, for example, by having the beginning readers practice each group of words until



they can read them rapidly in either descending or ascending order.

Beginning readers who have mastered all of the sheets will have acquired the major tools needed for accurate decoding. Of course, learning the phonic word lists will not produce fluent readers like teaching one to visually read the notes in a musical score will not produce music. Rather, the skills learned in the word lists must be actively applied. Suggestions for applying the words to textual reading are found in the following chapter.



Chapter 3: Part 2

THE WORD LISTS



# Short Vowels with Single/Blended Consonants

The purpose of these word sheets is to introduce beginning readers to blending short vowel sounds with single and blended consonant sounds. The first five word sheets introduce CVC words (cat). Double consonants, such as 11 (bell) and the consonant c graph ck (duck), are also treated as single consonants in these and other word sheets. The first five word sheets are followed by a sheet that introduces final consonant blends and the digraph ng. A sheet introducing the initial blends completes this section.



## SHORT A

- 1. bad
- 2. dad
- 3. had
- 4. lad
- 5. mad
- 6. pad
- 7. sad
- 8. can
- 9. fan
- 10. man
- 11. pan
- 12. ran
- 13. tan
- 14. van
- 15. cap
- 16. gap
- 17. lap
- 18. map
- 19. nap
- 20. rap
- 21. sap
- 22. tap
- 23. bat
- 24. cat
- 25. fat
- 26. hat
- 27. mat
- 28. pat
- 29. rat
- 30. sat



## SHORT E

- 1. bell
- 2. dell
- 3. fell
- 4. sel!
- 5. tell
- 6. well
- 7. yell
- 8. den
- 9. hen
- 10. men
- 11. pen
- 12. ten
- 13. bet
- 14. get
- 15 let
- 16 met
- 17. net
- 18. pet
- 19. set
- 20. wet
- 21. yet



#### SHORT I

31.

32.

33.

34.

35.

36.

37.

39.

bit

fit

hit

**Kit** 

1 i t

pit

sit

wit

- 1. bid
- 2. did
- 3. hid
- 4. kid
- 5. lid
- გ. mid
- 7. rid
- 8. big
- 9. dig
- 10. fig
- 11. pig
- 12. wig
- 13. bill
- 14. fill
- 15. hill
- 16. Kill
- 17. mill
- 18. till
- 19. will
- 20. din
- 21. Kin
- 22. pin
- 23. sin
- 24. tin
- 25. win
- 26. dip
- 27. hip
- 28. lip
- 29. rip
- 30. tip



# SHORT 0

- 1. bob
- 2. job
- 3. mob
- 4. rob
- 5. sob
- 6. dock
- 7. lock
- 8. mock
- 9. rock
- 10. sock
- 11. cod
- 12. god
- 13. nod
- 14. rod
- 15. sod
- 16. cot
- 17. dot
- 18. got
- 19. hot
- 20. lot
- 21. not
- 22. pot



## SHORT U

- 1. bug
- 2. dug
- 3. hug
- 4. rug
- 5. tug
- 6. buck
- 7. duck
- 8. luck
- 9. suck
- 10. tuck
- 11. fun
- 12. gun
- 13. run
- 14. sun
- 15. cub
- 16. rub
- 17. tub
- 18. gum
- 19. hum
- 20. sum
- 21. but
- 22. cut
- 23. nut
- 24. bull
- 25. dull
- 26. lull



# FINAL CONSONANT BLENDS

1.	belt	33.	bang	66.	fast
2.	felt	34.	gang	67.	last
з.	melt	35.	hang	68.	mast
4.	tilt	36.	rang	69.	past
5.	wilt	37.	sang	70.	vast
		38.	King	71.	best
ර.	bank	39.	ring	72.	jest
7.	rank	40.	sing	73.	lest
8.	sank	. 41.	wing	74.	nest
9.	tank	42.	long	75.	rest
10.	ink	43.	song	76.	test
11.	1 ink	44.	hung	77.	vest
12.	pink	45.	lung	78.	west
13.	sink	46.	sung	79.	fist
14.	wink			80.	list
15.	zink	47.	an t	81.	mist
1ර.	sunk	48.	pant	82.	cost
		49.	bent	83.	lost
17.	and	50.	lent	84.	bust
18.	band	51.	rent	85.	dust
19.	hand	52.	sent	86.	just
20.	land	53.	tent	87.	must
21.	sand	54.	went	88.	rust
22.	end	55.	hint		
23.	bend	56.	mint	89.	mask
24.	lend	57.	tint	90.	task
25.	mend	58.	hunt	91.	desk
26.	send			92.	risk
27.	tend	59.	lamp	93.	dusk
28.	wind	<b>60.</b>	limp		
29.	bond	61.	pomp		
30.	fond	62.	dump		
31.	pond	63.	j ump		
32.	fund	64.	lump		
		65.	pump		



# INITIAL CONSONANT BLENDS

1.	bless	29.	grab	59.	stack
2.	bliss	30.	grass	60.	staff
з.	block	31.	grim	<b>61</b> ٠.	stem
4.	blot	32.	grin	62.	step
5.	bluff	33.	grip	63.	stick
		34.	grub	64.	stiff
ර.	⊂lad			65.	still
7.	clap	35.	plan	66.	stock
8.	class	36.	plot	67.	stop
9.	click	37.	pluck	68.	stub
10.	cliff	38.	plum	69.	stuck
11.	clip	39.	plus	70.	stuff
12.	clock				
13.	club	40.	skill	71.	track
14.	cluck	41.	skin	72.	trap
		42.	skim	73.	trick
15.	drag	43.	skip	74.	trim
16.	dress	44.	skull	75.	trip
17.	drill			76.	trod
18.	drip	45.	slam	77.	trot
19.	drop	46.	slap	78.	truck
20.	drug	47.	slid		
21.	drum	48.	slim		
		49.	slip		
22.	flag				
23.	flap	50.	span		
24.	flat	51.	speck		
25.	flax	52.	sped		
26.	fled	53.	spell		
27.	flit	54.	spill		
28.	flock	55.	spin		
		56.	spit		
		57.	spot		
		58.	spun		



#### One Syllable -VCE Words

It is recalled that the final single vowel-consonant- $\underline{e}$  (-VCE) generalization reads as follows:

When a word ends in a single vowel-consonant- $\underline{e}$ , the final  $\underline{e}$  is silent and the vowel is long or has the short  $\underline{i}$  sound, except - $\underline{some}$  (handsome), and the unpredictable combinations - $\underline{ile}$ , - $\underline{ine}$ , and - $\underline{ove}$ .

The simplest level of words that apply to this generalization, which includes four-letter words ending in a long  $\underline{a}$ -,  $\underline{i}$ -, or  $\underline{o}$ -Consonant- $\underline{e}$ , are found in these sheets. The phonogram -some and words where the short  $\underline{i}$  sound is heard in place of a long vowel sound are introduced in the syllabication sheets.



# FINAL A-CONSONANT-E

1.	ate	35.	bace
2.	date	36.	fade
з.	fate	37.	made
4.	gate	38.	wade
5.	hate		
6.	late	39.	male
7.	mate	40.	pale
8.	rate	41.	sale
		42.	tale
9.	bake		
10.	⊂ake	43.	base
11.	lake	44.	case
12.	make	45.	vase
13.	rake		
14.	sake	46.	daze
15.	take	47.	gaze
1ර.	wake		
		48.	babe
17.	came		
18.	dame	49.	safe
19.	fame		
20.	game	50.	cape
21.	lame		
22.	name		
23.	same		
24.	tame		
25.	cane		
	lane		
27.	mane		
28.	pane		
29	sane		
	cave		
31.	gave		
32	.pave		
33.	save		



### FINAL I-CONSONANT-E

- 1. dine
- 2. line
- 3. fine
- 4. mine
- 5. nine
- ó. pine
- 7. vine
- 8. wine
- 9. hide
- 10. ride
- \_\_\_\_

side

11.

- 12. tide
- 13. wide
- 14. file
- 15. mile
- 16. pile
- 17. tile
- 18. vile
- 19. bite
- 20 Kite
- 21 rite
- 22 site
- 23. dime
- 24. lime
- 25. time
- 26. pipe
- 27. ripe
- 28. wipe
- 29. dive
- 30. hive
- 31. live
- 32. life
- 33. wife
- 34. like
- 35. size



### FINAL O-CONSONANT-E

- 1. hole
- 2. mole
- 3. pole
- 4. sole
- 5. code
- 6. mode
- 7. rode
- 8. joke
- 9. poke
- 10. woke
- 11. bone
- 12. tone
- 13. zone
- 14. cope
- 15. hope
- 16. rope
- 17. dome
- 18. home
- 19. note
- 20. vote
- 21. dove
- 22. rove



#### Adjacent Vowels

The following adjacent vowel combinations were excepted from the accompanying word lists: (1) the phonogram <u>ouse</u> because many of the representative words are homonyms and therefore their appropriate pronunciation can be determined only in context (compare, for example, <u>house</u> as a noun with <u>house</u> as a verb); (2) the phonograms <u>late</u> and <u>lous</u> along with the vowel pair <u>ie</u> because few exemplary high-frequency words were found for these combinations; and (3) the phonogram <u>late</u> which is introduced in the syllabication sheets. All of the other vowel combinations that were listed in Chapter 2 are found in the following pages.



- fail:
- 2. hail
- 3. jail
- 4. mail
- 5. nail
- 6. pail
- 7. rail
- 8. sail
- 9. tail
- 10. wail
- 11. fain
- 12. gain
- 13. main
- 14. pain
- 15. rain
- 16. vain
- 17. laid
- 18. maid
- 19. paid
- 20. raid
- 21. bait
- 22. wait



# AU

- 1. haul
- 2. mau 1
- 3. daub
- 4. laud
- 5. faun
- 6. taut



## AW

- 1. jaw
- 2. law
- 3. paw
- 4. raw
- 5. saw
- 6. dawn
- 7. fawn
- 8. hawk
- 9. lawn
- 10. yawn



AY

- 1. bay
- 2. day
- 3. gay
- 4. hay
- 5. jay
- 6. lay
- 7. may
- 8. nay
- 9. pay
- 10. ray
- 11. say
- 12. way



### EΑ

1. eat 2. beat з. feat 4. heat 5. meat. 6. neat 7. seat 8. pea 9. sea 10. tea 11. bead 12. lead 13. mead 14. read 15. bean 16. dean 17. jean 18. lean 19. mean 20. beak 21. peak 22. weak 23. beam 24. seam 25. team 26. heap 27. leap 28. reap 29. leaf 30. deal 31. heal 32. meal 33. real 34. seal

- 36. dead 37. head
  - 38. lead
     39. read

deaf

40.

40



35.

zeal

EE

- 1. bee
- 2. fee
- 3. see
- 4. wee
- 5. deed
- ර. feed
- 7. heed
- 8. need
- 9. reed
- 10. seed
- 11. weed
- 12. feel
- 13. heel
- 14. pee1
- 15. reel
- 16. deep
- 17. Keep
- 18. peep
- 19. weep
- 20. seek
- 21. week
- 22. deem
- 23. seem
- 24. Keen
- 25. seen
- 26. feet
- 27. meet



- 1. oat
- 2. boat
- 3. coat
- 4. goat
- 5. load
- 6. road
- 7. toad
- 8. oak
- 9. soak
- 10. coal
- 11. goal
- 12. foam
- 13. roam
- 14. loan
- 15. moan
- 16. loaf
- 17. soap
- 18. coax



- 1. oil
- 2. boil
- 3. coil
- 4. soil
- 5. toi1
- 6. coin
- 7. join
- 8. void



- 1. book
- 2. cook
- 3. hook
- 4. look
- 5. took
- 6. too
- 7. woo
- 8. cool
- 9. fool
- 10. pool
- 11. tool
- 12. wool
- 13. boon
- 14. coon
- 15. moon
- 16. noon
- 17. soon
- 18. doom
- 19. loom
- 20. room
- 21. hoof
- 22. roof
- 23. boot
- 24. root
- 25. loop
- 26. foot
- 27. good
- 28. hood
- 39. wood
- 30. food
- 31. mood



### OUN

- 1. bound
- 2. found
- 3. hound
- 4. mound
- 5. pound
- 6. round
- 7. sound
- 8. wound
- 9. count



oω

- 1. 1 ow
- 2. row
- 3. own
- 4. sown
- 5. bow1
- 6. cow
- 7. Now
- 8. now
- 9. vow
- 10. down
- 11. gown
- 12. town
- 13. owl
- 14. how 1



### Consonant Di/trigraphs

The consonant di/trigraph generalization, it is recalled, reads as follows:

Either one of two sounds is usually heard for the digraphs <u>ch</u>, <u>nq</u>, and <u>th</u> while a single sound is usually heard for the other di/trigraphs which include <u>ck</u>, <u>dq</u>, <u>qht</u>, <u>-qn</u>, <u>kn</u>, <u>ph</u>, <u>sh</u>, <u>tch</u>, <u>wh</u>, and <u>wr</u> (except the unpredictable digraph <u>qh</u> and the words <u>who</u>, <u>whole</u>, and their inflections).

The unpredictable digraph <u>qh</u> is, of course, excluded from these di/trigraph word sheets. The /k/ sound of <u>ch</u> (ache) and the digraph <u>-qn</u> (sign) are alike excluded because they occur infrequently. The digraphs <u>nq</u> and <u>ck</u> have already been introduced while the trigraph <u>qht</u> will appear in the special single vowel sheets and the <u>ph</u> digraph will appear in syllabication sheets. The remaining digraphs that are listed in the above generalization appear in following word sheets.



СН

- 1. chap
- 2. chip
- 3. chop
- 4. check
- 5. chick
- ර. chat
- 7. chill
- 8. chin
- 9. much
- 10. rich
- 11. such



# -DGE

- 1. edge
- 2. hedge
- 3. ledge
- 4. wedge
- 5. dodge
- 6. lodge
- 7. ridge
- 8. judge



# KN

- 1. knob
- 2. knock
- 3. Knot
- 4. Knack
- 5. knell
- 6. Knit



### SH

- 1. shed
- 2. ship
- 3. shop
- 4. shot
- 5. shut
- 6. shun
- 7. ash
- 8. dash
- 9. cash
- 10. lash
- 11. sash
- 12. dish
- 13. fish
- 14. wish
- 15. hush
- 16. rush



# TCH

- 1. catch
- 2. hatch
- 3. match
- 4. patch
- 5. ditch
- **6.** pitch
- 7. witch
- 8. fetch
- 9. notch



TH

- 1. bath
- 2. path
- 3. with
- 4. thin
- 5. thick
- 6. than
- 7. that
- 8. them
- 9. then
- 10. this
- 11. thus



## $\mathsf{WH}$

- 1. whiff
- 2. whim
- 3. whip
- 4. whit
- 5. whiz
- ბ. when
- 7. whet
- 8. whack
- 9. who
- 10. whole



 $\mathsf{WH}$ 

- 1. wrap
- 2. wrack
- 3. wreck
- 4. wren
- 5. writ



### Special Single Vowels

Three of the five predictable single vowel phonograms are found in these sheets:  $-\underline{all}$  (ball),  $-\underline{iqht}$  (night), and  $\underline{y}$  when it ends a one syllable word (by). The other two predictable single vowel phonograms,  $-\underline{ty}$  and  $\underline{ation}$ , are included in the syllabication sheets.



### ALL (One Syllable Roots)

- 1. all
- 2. ball
- 3. call
- 4. fall
- 5. hall
- 6. tall
- 7. wall



# IGHT

- 1. fight
- 2. light
- 3. might
- 4. night
- 5. right
- 6. sight
- 7. tight



# ~Y (One Syllable Words)

- 1. by
- 2. my
- 3. cry
- 4. dry
- 5. fry
- 6. try
- 7. fly
- 8. ply
- 9. sly
- 10. sky
- 11. spy



#### Syllabication

The syllabication sheets are designed to combine a variety of phonic concepts. Introduced in the first of the five syllabication sheets are simple two syllable words (happen). The schwa sound (husband),  $\chi$  ending two or more syllable words (happy, except  $\underline{fy}$ ), and the /z/ sound for  $\underline{s}$  (visit) are also introduced in this sheet. Final Consonant-1-e (apple) is introduced in the second sheet. A number of new concepts are introduced in the two syllable words found in the third sheet, including the consonant phonogram tion (action); the single vowel phonogram -ation (nation); the single vowel u-consonant-vowel letter pattern (duty); the phonogram  $\underline{cia}$  (special); the soft sounds of  $\underline{c}$  and  $\underline{q}$  (city, age); the root stem some (handsome); and final single -VCE where the vowel has a short  $\underline{i}$  sound (passage). Three and four syllable words are introduced in the fourth and final syllabication sheet along with the phonograms fy (justify) and <u>sion</u> (expression) and the consonant digraph (telephone).



### TWO SYLLABLE WORDS: Level 1

1. address 21. habit 2. adm i t 22. happen з. affect 23. happy 4. angry 24. himself 5. attack 25. husband ර. attempt 26. insist 7. attend 27. instant 8. basket 28. intend 9. cabin 29. itself 10. devil 30. level 11. distant 31. metal 12. district 32. present 13. emp ty 33. public 14. exist 34. subject 15. expect 35. sudden 1ර. express 36. ticket 17. extend 37. twenty 18. チョチャン 38. unless 19. filling 39. until 20. funny 40. vessel 41. visit 42. within 43. witness 44. travel



### -CONSONANT-L-E

- 1. battle
- 2. cattle
- 3. rattle
- 4. kettle
- 5. settle
- ර. little
- 7. bottle
- 8. paddle
- 9. meddle
- 10. middle
- 11. huddle
- 12. tackle
- 13. pickle
- 14. dazzle
- 15. puzzle
- 16. apple
- 17. ripple
- 18. pebble
- 19. bubble
- 20. ruffle



### TWO SYLLABLE WORDS: Level 2

- 1. duty
- 2. human
- 3. music
- 4. action
- 5. mention
- 6. nation
- 7. station
- 8. special
- 9. handsome
- 10. accept
- 11. except
- 12. success
- 13. advance
- 14. distance
- 15. city
- 16. suggest
- 17. gentle
- 18. passage
- 19. village
- 20. practice



### THREE & FOUR SYLLABLE WORDS

- 1. animal
- 2. benefit
- 3. capital
- 4. citizen
- 5. family
- 6. addition
- 7. necessity
- 8. telephone
- 9. accident
- 10. activity
- 11. advantage
- 12. attention
- i3. attitude
- 14. difficult
- 15. difficulty
- 16. element
- 17. establish
- 18. evidence
- 19. exactly
- 20. example
- 21. excellent
- 22. expression
- 23. foundation
- 24. indicate
- 25. industry
- 26. justify
- 27. practical
- 28. president
- 29. principal
- 30. principle
- 31. sacrifice
- 32. satisfy
- 33. successful



#### Chapter 4

#### PUTTING IT ALL TOGETHER

To decode words automatically means to decode them quickly but it also means to decode them without thinking about it. During fluent reading, the decoding aspects of the reading process are handled by an "automatic pilot," leaving the mind free to spend all of its attention on the meaning. It's a little like when someone first learns to drive a car. When trying to use the brake without jerking the car, at the same instant that the steering wheel is to be turned to round a corner, at the same instant that the gears must be shifted into second, it is easy to make mistakes or at least to be c ome nervous and frustrated." (Cunningham, 1979).

Mature readers, who approach text with little thought of decoding individual words, place the majority of their energy on comprehension activities. Beginning readers, on the other hand, focus so much energy upon decoding that little is left for comprehension. However, they can be taught automatic reading techniques that will enable them to the decoding skills they have learned to automatically apply these to read text fluently. Once automaticity is learned, beginning readers will be freed, 1 i Ke mature readers, to focus their energies upon comprehension.



The major approaches to teaching beginning readers to automatically decode are generally labeled as various modifications of the repeated reading technique. The essence of this technique was ably described by Wayne Otto (1985) as follows:

In its purest form, the technique is the essence of simplicity: The learner rereads a short, meaningful passage as many times as it takes to reach a satisfactory level of fluency. In practice, the learner selects easy-to-read 50 to 200 word passages and, ordinarily, reads a passage three or four times, with the teacher reporting accuracy, rate, and speed after each reading. Variations have been suggested, like starting with a teacher-modeled fluent reading of the passage or having the learner "echo" the teacher's reading or having the learner work with a tape recorder; but the expectation of improved reading fluency, speed and comprehension is the same.

Typically basal readers are used to reinforce various reading skills including repeated reading ones. However, this reinforcement should not be limited to basals but it should also come from other sources such as trade books. Appendix 2 was included for those seeking a springboard to suggested titles of trade books that can be used as reinforcement. In part, this list includes titles of both the honorable mention and the award-winning Caldecott and Newbery books. These books were selected because, in addition to representing quality children's literature, they are readily available. Few of these books, however, were written at a first or second grade readability. Therefore,



additional titles with estimated first and second grade readabilities were listed from the Random House Beginner Level, the Harper Early I Can Read, and the Harper I Can Read collections.

Although there are a number of ways of introducing beginning readers to books with appropriate readabilities, one of the easiest ways is to code the spines of books of a similar readability with a unique color of plastic or cloth tape. The students can be instructed to choose a reinforcement book from any book that is coded within their estimated readability range. Moreover, as their skills develop they can be directed toward books with more challenging readabilities.

In summary, mastery of the highly predictable letter-sound relationships is of limited value unless beginning readers are, as they should be, encouraged to read widely and to apply the word attack tools they acquire. On the other hand, beginning readers are often incapable of reading text unless they are shown how to break the code. Learning the phonic word lists found in this text and applying this knowledge to active reading will go a long way toward freeing beginning readers from basic word attack. Moreover, once freed from concentrating upon decoding they can focus their energies upon advanced reading activities.

#### ANNOTATED BIBLIOGRAPHY

Anderson, Richard, ed. <u>Becoming a Nation of Readers: The Report of the Commission on Reading</u>. Washington D.C.: National Institute of Education, 1985.

It is unlikely that any reading report in the 1980's will generate as much interest as this report will generate. Among a large number of recommendations is the recommendation that children should receive rapid and intensive instruction in phonics. However, the authors of the report left the components of phonics instruction unidentified—a task accomplished in the present report.

Betts, Emmett Albert. "What about Phonics?" <u>Education</u>, (May, 1955), 547-59.

Betts, who was mentioned in the present report, described the nonsense of using what he called the "hiss and groan" or "grunt and groan" phonics that was taught in the 1920's.

Bond, Guy L. and Robert Dykstra. "The Comparative Research Program in First-Grade Reading Instruction." Reading Research Quarterly, (Summer, 1967), 4-142.

This report, which remains as one of the most comprehensive studies to date as it relates to beginning reading, evaluated the relative success of various instructional approaches, including Basal, Basal plus Phonics, i.t.a., Linguistic, Language Experience, and Phonic/Linguistic. In part, the authors found that an analysis of the various approaches showed "correlations between the Word Reading test and the Gates test varied from .74 to .86. Furthermore, the Gates and Fry lists correlated between .75 and .92 with each other." Looking at these data led the authors to write that "evidently, a child who can read phonetically regular words can also read high frequency words..." (pp. 41-43). These findings seem to align with the present author's observations of beginning readers who after learning the words in word lists found in this report showed few problems with learning to read phonetically irregular words that were met as they applied their skills to text. Bond and Dykstra also concluded that "word study skills must be emphasized and taught systematically regardless of what approach to initial reading instruction is used" (p. 122). However, the



word study lessons have not been built upon comprehensive research of letter-sound relationships that, if incorporated into the lessons, would strengthen them.

Burmeister, Lou E. "Selected Word Analysis Generalizations for a Group Approach to Corrective Reading in the Secondary School." Reading Research Quarterly, (Fall, 1968), 71-95.

Among a number of findings, Burmeister discovered, that the traditionally taught generalization, "a single vowel in a open syllable has a long sound," was efficient in less than a third of the words she examined. Therefore she suggested that a single vowel in a open syllable, like one in a closed syllable, is usually short. However, she stopped short of giving conclusive statistical support for her proposal. Nevertheless, this notion led the present author to discover a great amount of phonic regularity for the single vowels regardless of syllabic position. This discovery effectively removed the need to determine whether a single vowel in a syllable was open or closed before attempting to decode a word and, accordingly, simplified the understanding of the decoding task of one of the most confusing aspects of letter-sound relationships.

\_\_\_\_\_. "Vowel Pairs." <u>The Reading Teacher</u>, (February, 1968), 445-52.

Burmeister examined sixteen vowel pairs in depth and demonstrated that these pairs should be examined individually rather than as a group. In addition, her study was one of the first to show that an <u>r</u> following a vowel pair influences the sound of the pair in a manner similar to that of an <u>r</u> following a single vowel.

Clymer, Theodore. "The Utility of Phonic Generalizations in the Primary Grades." The Reading Teacher, (January, 1963), 252-58.

Clymer's pioneer generalization study showed many of the most popular generalizations to be suspect, including many of those that had been popular since they were first introduced by Noah Webster.

Cunningham, James W. "An automatic Pilot for Decoding." The Reading Teacher, (January, 1979), 420-424.

Cunningham, who was cited in the introduction to fourth chapter of the current text, is worthwhile reading for



those interested in tracing the history of repeated reading and related techniques.

Curry, Robert L. and Lynna Geis. A <u>Summary of Studies on the Usefulness of Phonic Generalizations</u> ERIC Document ED 132 560, 1976.

Curry and Geis compared the data that Clymer discovered with six similar reports. One of their conclusions was that even the generalizations that were efficient should be combined and further refined before they could be used efficiently.

Forell, Elizabeth R. "The Case for Conservative Reader Placement." The Reading Teacher, (May, 1985), 857-862.

In addition to finding that "'comfortable' reader placement" reduces frustration and allows for "normal reading development," Forell noted that the "basal readers designated for the grade level were appropriate for only the top half of the children in the study, while the rest of the children needed readers 1 to 3 years below grade level." In keeping with the tone of this article, it is the present author's opinion that these lower students will often benefit from intensive practice in applying their decoding skills by using a variety of reading materials, especially through using trade books that are matched to their independent and instructional reading levels.

Gates, Arthur I. New Methods in Primary Reading. New York: Teachers College, Columbia University, 1928.

Gates examined a large number of traditional phonograms that had been taught, including many that were first introduced to the American colonies. He found that many of these phonograms were "not easily perceived," were "not convenient pronunciation units," and were "found in words which include other elements of very low frequency of occurrence. Add to these difficulties the fact that the most frequent phonograms consist of letter combinations that have on the average two very different sounds, and a very complex situation is revealed." These findings effectively rang the death knell for teaching traditional phonogram nonsense.

Gates, Louis and Heath Lowry. "A Face Lift for the Silent E." The Reading Teacher, (October, 1983), 102-03.

The traditional phonic generalization, "When a word ends in a single vowel+consonant+e the e is silent and the



vowel is long," was shown to be inefficient. However, its efficiency could be increased to over 90 percent if the generalization is modified as follows: "When a word ends in a single vowel+consonant+e the  $\underline{e}$  is silent and the vowel is long or has the short  $\underline{i}$  sound (except words ending in  $\underline{-some}$ ,  $\underline{-ove}$ , and  $\underline{-vowel}\underline{-r-e}$ ).

Gates, Louis. "Good Generalizations for Decoding Single Vowels." The Reading Teacher, (February, 1985), 587.

The article offers suggestions for combining and improving the overall utility of the single vowel generalizations.

"Phonic Fitness of Selected Grapheme-Phoneme Correspondence, Phonograms, and Phonic Generalizations."
Unpublished doctoral dissertation, University of the Pacific, 1981.

This technical study includes a historical review of phonic programs, provides the first comprehensive statistical data that demonstrates that English has a great amount of phonic predictability, and offers suggestions for further study.

ERIC Document ED 243 087, 1984.

The notion that the letter-sound relationships are highly predictable is strengthened in this document. Moreover, word lists are included that demonstrate areas where the language is phonetically predictable and where it is unpredictable.

Hanna, Paul R., et. al. <u>Phoneme-Grapheme Correspondence as Clues to Spelling Improvement</u>. Washington D.C.: United States Department of Health, Education, and Welfare, 1966.

All but 99 of the 17,310 words included in this carefully developed computerized word list were used as the basis for the word list found in the present study.

Otto, Wayne. "Practice Makes Perfect: Always \_\_\_\_\_, Sometimes \_\_\_\_\_, Never \_\_\_\_\_." <u>Journal of Reading</u>, (November, 1985), 188-191.

Otto, who was cited in the present report, generally favors the use of repeated readings as a technique for achieving fluency. However, he cautions that additional research is needed for verifying its effectiveness as a



teaching technique. (Compare this with the article of Samuels annotated below).

Samuels, S. Jay. "The Method of Repeated Readings." The Reading Teacher, (January, 1979), 403-408.

In addition to providing a historical background for repeated reading and modern applications of the technique, Samuels cites research studies that he and others conducted which support the value of using repeated reading techniques for developing fluency.

Smith, Frank. <u>Understanding Reading</u>, 2nd edition. Holt, Rinehart and Winston, 1978.

The present author's ideas about substituting word lists for phonic generalizations were drawn in part from Frank Smith's ideas that "the easiest way to learn a phonic rule is to learn a few words that exemplify it..." (p. 147), and that "by acquiring an extensive 'sight vocabulary' of immediately identifiable words, children are able to understand, remember, and utilize phonic rules and other mediated identification strategies" (p. 149).

Thorndike, Edward E. and Irving Lorge. The Teacher's Word Book of 30.000 Words. New York: Teacher's College Press, 1944.

Thorndike and Lorge provided the original list of words that was used as a basis for the development of the Stanford word list noted above.



## Appendix 1

# PARAMETERS FOR THE DATA PRESENTED IN THIS REPORT

The present report, which was based upon 17,211 words drawn from 17,310 words found in the Stanford word list, was conducted using the following parameters:

- 1. If more than one occurrence of a particular letter or letter combination was found in a word, only the first letter or letter combination was considered.
- 2. A letter or letter combination was considered to be predictable if a minimum of 75 percent of its occurrences were represented by a maximum of two sound relationships, or, in the case of the single vowels, three sound relationships.
- 3. The single vowels  $\underline{a}$ ,  $\underline{e}$ ,  $\underline{i}$ ,  $\underline{o}$ , and  $\underline{u}$  were considered for analysis in single vowel categories providing they were neither immediately preceded by one of the five major vowels nor immediately followed by an  $\underline{r}$ .
- 4. The single vowel  $\chi$  was considered for analysis providing it was neither immediately preceded by one of the five major vowels nor immediately followed by  $\underline{r}$ .
- 5. The vowels found in a final Vowel-Consonant- $\underline{e}$  pattern or an inflection of this pattern were excluded from single vowel analysis (i.e., the vowels in the word come and the letter  $\underline{o}$  in coming were not considered as single vowels).
- 6. The letter  $\underline{i}$  was excluded from analysis if it replaced a  $\underline{y}$  in an inflected word.
- 7. The final single vowels in single vowel- $\underline{r}$ - $\underline{e}$  and the adjacent vowel combinations immediately followed by an  $\underline{r}$  were excluded from analysis (i.e., the vowels immediately preceding  $\underline{r}$  in care and clear were left unexamined).
- 8. No analysis was made of more than two vowels in juxtaposition (i.e., the vowel pair <u>ou</u> in the word tedious was left unexamined as a vowel pair).
- 9. Only the vowel pairs that occurred a minimum of a hundred times in the 17,211 word list were examined.



10. Adjacent consonants which could visually pass as consonant di/trigraphs, though not such, were treated as if they were di/trigraph exceptions (i.e., the letters ng in the word engage were treated as if they formed an unpredictable consonant digraph).



## Appendix 2

## SELECTED CHILDREN'S BOOKS

The following list includes Caldecott and Newbery notable and award winning books that have readabilities from the first through the sixth grades. In addition, the list includes books with first and second grade readabilities that are found in the Random House Beginner Books, Harper Early I Can Read, and Harper I Can Read collections. The readabilities listed for each book are those listed in the Follett Book Catalogue.

## Random House Beginner Books

## Grade 1

Are You My Mother? Eastman (1.5)
Go, Dog, Go! Eastman (1.4)
Hop on Pop, Suess (1.4)
Little Black, as Pony, Farley (1.7)
One Fish, Two Fish, Red Fish, Blue Fish, Suess (1.9)
Put Me in the Zoo, Lopshire (1.4)
Robert, the Rose Horse, Heilbroner (1.7)
Snow, McKie (1.9)
Why I Built the Boogle House, Palmer (1.9)

## Grade 2

Bears' Christmas, Berenstain (2.1)
Bears' Picnic, Berenstain (2.7)
Because a Little Bug Went Ka-Choo, Stone (2.3)
Berenstain Bears and the Missing Dinosaur Bone, Berenstain (2.9)
Best Nest, Eastman (2.5)
Big Ball of String, Holland (2.2)
Big Jump, Elkin (2.9)
Book of Animal Riddles, Cerf (2.1)
Book of Riddles, Cerf (2.1)
Cat in the Hat, Seuss (2.4)
Cat in the Hat Comes Back, Suess (2.9)
Come Over to My House, LeSieg (2.6)
Cowboy Andy, Chandler (2.1)



Digging-Est Dog, Perkins (2.6) Fish Out of Water, Palmer (2.3) Fly Went By, McClintock (2.5) Fox in Socks, Seuss (2.6) Green Eggs and Ham, Suess (2.2) I Can Read With My Eyes Shut! Suess (2.4) I Was Kissed by a Seal at the Zoo, Palmer (2.7) It's Not Easy Being a Bunny, Sadler (2.9) Little Black Goes to the Circus, Farley (2.4) Look out for Pirates, Vinton (2.5) More Riddles, Cerf (2.1) Oh, The Things You Can Think! Seuss (2.0) Please Try to Remember the First of Octember, LeSieg (2.1) Sam and the Firefly, Eastman (2.0) Spooky Riddles, Brown (2.8) Ten Apples up on Top! LeSieg (2.0) Tubby and the Lantern, Perkins (2.0) Very Bad Bunny, Sadler (2.3) Wacky Wednesday, LeSieg (2.2) What Do Smurfs Do All Day? Peyo (2.7) You Will Go to the Moon, Freeman (2.7)

# Harper Early I Can Read

## Grade 1

Addie Meets Max, Robins (1.7)
And I Mean It, Stanley, Bonsall (1.5)
Cat and Dog, Minarik (1.6)
Come and Have Fun, Hurd (1.6)
Day I Had to Play with My Sister, Bonsall (1.4)
Hester the Jester, Shecter (1.9)
Horse in Harry's Room, Hoff (1.7)
Mine's the Best, Bonsall (1.4)
Ottie and the Star, Allen (1.3)
What Have I Got? McClintock (1.7)
Who Will Be My Friends? Hoff (1.7)
Who's Afraid of the Dark? Bonsall (1.6)
Will You Cross Me? Kaye (1.4)

#### Grade 2

Albert the Albatross, Hoff (2.0)
Dinosaur Time, Parish (2.0)
Hattie Be Quiet, Hattie Be Good, Gackenbach (2.8)
Hattie Rabbit, Gackenbach (2.6)
Little Chick's Big Day, Kwitz (2.5)
Little Chick's Breakfast (2.1)



Little Chick's Story, Kwitz (2.5)
Mother Rabbit's Son Tom, Gackenbach (2.4)
Santa's Moose, Hoff (2.7)
Thunderhoof, Hoff (2.2)
Walpole, Hoff (2.6)

## Harper I Can Read

## Grade 1

All of Our Noses Are Here, and Other Noodle Tales, Schwartz (1.7)

Buster Loves Buttons! Manushkin (1.6)

Little Chief, Hoff (1.7)

Little Runner of the Longhouse, Baker (1.9)

No Funny Business, Hurd (1.9)

Sammy the Seal, Hoff (1.8)

Story of Bentley Beaver, Sharmat (1.9)

Surprises (1.8)

Who's a Pest? Bonsall (1.9)

### Grade 2

Bargain for Francis, Hoban (2.1) Bell Ringer and the Pirates, Coerr (2.9) Big Balloon Race, Coerr (2.9) Bony, Zweifel (2.5) Cats Are Good Company, Langshoff (2.9) Chester, Hoff (2.1) Danny and the Dinosaur, Hoff (2.7) Doctors and Nurses: What Do They Do? Green (2.1) Emmitt's Pig, Satolz (2.4) Fire Cat, Averill (2.2) Grasshopper on the Read, Lovbel (2.4) Grizzwold, Hoff (2.6) Happy Birthday Present, Heibroner (2.4) Happy Jack, Carrick (2.4) Hattie, Tom, and the Chicken Witch, Gackenbach (2.0) I Am Better Than You! Lopshire (2.6) In a Dark, Dark Room and Other Scary Stories, Schwartz (2.3) It's Me, Hippo! Thaler (2.5) Julius, Hoff (2.7) Last One Home Is a Green Pig, Hurd (2.4) Laziest Robot in Zone One, Hoban (2.8) Little Witch and the Riddle, Degen 2.4) Moke and Poki in the Rain Forest, Funai (2.5) Mooch the Messy, Sharmat (2.7) Morris Goes to School, Wiseman (2.1)



Mouse Soup, Lobel (2.2) Mouse Tales, Lobel (2.6) Mr. Pig and Family, Hoban (2.2) Mr. Tod's Trap, Carrick (2.8) No Fighting, No Biting, Minarik (2.9) No More Monsters for Me! Parrish (2.7) Oink and Pearl, Chorao (2.5) Okay, Good Dog, Landshoff (2.6) Oliver, Hoff (2.5) Ootah's Lucky Day, Parish (2.4) Oscar Otter, Benchley (2.4) Owl at Home, Lobel (2.5) Pelly and Peak, Wittman (2.4) Perfect Christmas Picture, Manushkin (2.4) Picture for Harold's Room, Hohnson (2.3) Piggle, Bonsall (2.5) Plenty of Pelly and Peak, Wittman (2.6) Rat is Dead and Ant is Sad, Baker (2.2) Ready-Set-Robot, Hoban (2.9) Red Fox and His Canoe, Benchley (2.8) Running Owl the Hunter, Benchley (2.5) Secret Three, Myrick (2.6) Small Pig, Lobel (2.0) Soldiers and Sailors: What Do They Do? Green (2.5) Spooky Tricks, Wyler (2.7) Stanley, Hoff (2.2) Stop, Stop, Hurd (2.0) Tell Me Some More, Bonsall (2.1) Ten Copycats in a Boat, and Other Riddles, Schwartz (2.4) There is a Carrot in My Ear, and Other Noodle Tales, Schwartz (2.4) This is the House Where Jack Lives, Heilbroner (2.2) Three to Get Ready, Boegehold (2.0) Too Many Babas, Croll (2.9) Twelve Bells for Santa, Bonsall (2.4) What Do They Do? Policemen and Firemen, Greene (2.1) What Spot? Bonsall (2.3)

## Caldecott Award Winners

Grade 2

Frog Went a Courtin', Langstaff (2.7)
Tree Is Nice, Udry (2.3)

Grade 3

Abraham Lincoln, D Aulaire (3.9)



Always Room for One More, Nic Leodha (3.9) Arrow to the Sun: A Pueblo Indian Tale, McDermott (3.4) Big Snow, Hadeer (3.2) Biggest Bear, Ward (3.4) Chanticleer and the Fox, Chaucer (3.8) Cinderella, Brown, (3.0) Drummer Hoff, Emberley (3.0) Duffy and the Devil, Zemach (3.4) Egg Tree, Milhous (3.0) Finders Keepers, Lipkind (3.9) Funny Little Woman, Mousel (3.5) Glorious Flight, Provensen (3.2) Little House, Burton (3.8) Little Island, MacDonald (3.5) Madelines Rescue, Bemelmans (3.3) May ! Bring a Friend? DeRegniers (3.2) Nin∈ Days to Christmas, Ets (3.8) Once a Mouse, Brown (3.4) One Fine Day, Hogrogian (3.4) Ox Cart Man, Hall (3.7) Prayer for a Child, Field (3.3) Rooster Crows, Petersham (3.4) Sam Bangs and Moonshine, Ness (3.8) Shadow, Cendrars (3.7) Snowy Day, Keats (3.2) Song of the Swallows, Politi (3.6) Story a Story, Haley (3.4) Sylvester and the Magic Pebble, Steig (3.6) Time of Wonder, McCloskey (3.5) Why Mosquitoes Buzz in People's Ears, Aardema (3.8)

#### Grade 4

Ashanti to Zulu African Traditions, Musgrove (4.0)
Baboushka and the Three Kings, Robbins (4.0)
Fool of the World and the Flying Ship, Ransome (4.8)
Girl Who Loved Wild Horses, Gobile (4.7)
Jumanji, Allsburg (4.4)
Make Way for Ducklings, McCloskey (4.2)
Many Moons, Turber (4.1)
Mei Li, Handforth (4.3)
Saint George and the Dragon, Hodges (4.0)
They Were Strong and Good, Lawsoon (4.8)
Where the Wild Things Are, Sendak (4.4)

Grade 5

Fables, Lobel (5.0)



## Caldecott Honor Books

Grade 1 Happy Day, Krauss (1.5) Grade 2 All Falling Down, Zion (2.4) Ten, Nine, Eight, Bang (2.2) Ape in a Cape: An Alphabet of Odd Animals, Eichenberg (2.8) Blueberries for Sal, McCloskey (2.7) Child's Good Night Book, Brown (2.6) Crow Boy, Yashima (2.9) Freight Train, Crews (2.2) Frog and Toad Are Friends, Lobel (2.4) Goggles! Keats (2.7) Just Me, Ets (2.4) Little Bear's Visit, Minarik (2.7) Moon Jumpers, Ufry (2.6) On Market Street, Lobel (2.8) Play with Me, Ets (2.1) Treasure, Shuevitz (2.8) Grade 3 Alexander and the Wind-up Mouse, Lionni, (3.1) Amazing Bone, Steig (3.8) Anansi the Spider, McDermott (3.2) Andy and the Lion, Daughtery (3.5) Angry Moon, Sleater (3.9) April's Kittens, Newbery (3.3) Barkis, Newbery (3.4) Bartholomew and the Oobleck, Seuss (3.7) Ben's Trumpet, Isadora (3.6) Chair for My Mother, Williams (3.8) Desert if Theirs, Baylor (3.4) Emperor and the Kite, Yolen (3.9) Fox Went Out on a Chilly Night, Spier (3.8) Fredrick, Lionni (3.8) Golem, McDermott (3.1) Hide and Seek Frog, Tresselt (3.9) Hildidid's Night, Ryan (3.3) Hosie's Alphabet, Baskin (3.5) If I Ran the Zoo, Seuss (3.8) In the Forest, Ets (3.6) Jambo Means Hello, Feelings (3.6)



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Journey Cake, Sawyer (3.0)

were the said but their and while

Judge, an Untrue Tale, Zemach (3.1) Little Red Riding Hood, Hyman (3.3) Madeline, Bemelmans (3.2) McElligot's Pool, Suess (3.7) Mice Twice, Low (3.1) Moja Means One, Feelings (3.0) Mr. Rabbit and the Lovely Present, Zolotow (3.1) Nothing at All, Gag (3.6) One Morning in Maine, McCloskey (3.7) Outside Over There, Sendak (3.6) Pedro, the Angel of Olivera Street, Politi (3.8) Pocketful of Cricket, Caudill (3.4) Rain Drop 5 sh, Tresselt (3.2) Rain Makes Arplesauce, Scheer (3.1) Stone Soup, Brown (3.2) Swimmy, Lionni (3.0) Three Jovial Huntsmen, Jeffers (3.5) My Friend, Obadiah, Turkle (3.5) Umbrella, Yashima (3.2) Very Special House, Krauss (3.1) Way to Start a Day, Baylor (3.7) What Do You Say, Dear? Joslin (3.9) When Clay Sings, Baylor (3.1) When I Was Young in the Mountains, Rylant (3.7) Why the Sun and the Moon Live in the Sky, Dayrell (3.4)

## Grade 4

Bremen-Town Musicians, Plume (4.6) Contest, Hogrogian (4.9) Fish for Supper, Goffstein (4.3) Five Little Monkeys, Kepes (4.0) Garden of Abdul Gasazi, Van Allsburg (4.7) Henry--Fisherman, Brown (4.5) Houses from the Sea, Goudey (4.3) It Could Always Be Words, Zemach (4.2) My Mother is the Most Beautiful Woman in the World, Reyher (4.3)Paddle-to-the-Sea, Holling (4.5) Puss in Boots, Perrault (4.0) Snow-White and the Seven Dwarfs, Gag (4.4) Storm Book, Zolotow (4.3) Strega Nona, De Paola (4.4) Visit to William Blake's Inn, Willard (4.9) Where the Buffaloes Begin, P 'er (4.0)

#### Grade 5

In the Night Kitchen, Sendeck (5.0)



Marguerite De Angeli's Book of Nursery and Mother Goose Rhymes, De Angeli (5.2)

#### Grade 6

America's Ethan Allen, Holbrook (6.3) Castle, Macaulay (6.0) Cathedral, Macaulay (6.1)

## Newbery Award Winners

#### Grade 4

Bridge to Terabithia, Paterson (4.8)
Caddie Woodlawn, Brink (4.7)
Carry on Mr. Bowditch, Latham (4.7)
Dear Mr. Henshaw, Cleary (4.4)
King of the Wild, Henry (4.9)
Miss Hickory, Bailey (4.8)
Visit to William Blakes Inn, Willard (4.9)

## Grade 5

Amos Fortune: Free Man, Yates (5.0) And Now Miguel, Krumgold (5.2) Bronze Bow, Speare (5.6) Call it Courage, Sperry (5.5) Dark Frigate, Hawes (5.5) Dicey's Song, Voigt (5.8) Door in the Wall, De Angeli (5.4) From the Mixed Up Files of Mrs. Basil E. Frankweiler, Koningsburg (5.7) Gathering of Days, Blos (5.7) Gay Neck, Mukerji (5.5) Ginger Pye, Estes (5.8) Grey King, Cooper (5.1) High King, Alexander (5.9) Hitty: Her First Hundred Years, Field (5.5) It's Like This, Cat, Neville (5.4) Julie of the Wolves, George (5.6) M.C. Higgins the Great, Hamilton (5.7) Mrs. Frisby and the Rats of Nimh, O'Brien (5.8) Onion John, Krumgold (5.1) Rabbit Hill, Lawson (5.4) Rifles for Watie, Keith (5.4) Roller Skates, Sawyer (5.0) Sacret of the Andles, Clark (5.2)



Shadow of a Bull, Wojciechow (5.9)
Shen of the Sea, Chrisman (5.0)
Slave Dancer, Fox (5.5)
Sounder, Armstrong (5.2)
Strawberry Girl, Lenski (5.2)
Summer of the Swans, Byars (5.0)
Trumpeter of Krakow, Kelly (5.5)
Twenty One Balloons, Du Bois (5.7)
Waterless Mountain, Armer (5.2)
Wheel on the School, Dehong (5.4)
White Stag, Seredy (5.7)
Witch of Blackbird Pond, Speare (5.8)
Wrinkle in Time, L'Engle (5.5)

#### Grade 6

Adam of the Road, Gray (6.9)
Cat Who Went to Heaven, Coatsworth (6.2)
Dorby, Shannon (6.2)
I, Juan De Pareja, De Trevino (6.4)
Island of the Blue Dolphins, O'Dell (6.1)
Jacob I Have Loved, Paterson (6.5)
Johnny Termain, Forbes (6.3)
Miracles on Maple Hill, Sorensen (6.9)
Roll of Thunder, Hear My Cry, Taylor (6.2)
Smoky the Cowhorse, James (6.6)
Tales from Silver Lands, Finger (6.1)
Thimble Summer, Enright (6.0)
Up a Road Slowly, Hunt (6.0)
Westing Game, Taskin (6.1)
Young Fu of the Upper Yangtzee, Lewis (6.0)

## Newbery Honor Books

## Grade 2

ABC Bunny, Gag, (2.7) Courage of Sarah Noble, Dalgliesh (2.6) Frog and Toad Together, Lobel (2.3)

## Grade 3

Annie and the Old One, Miles (3.7)
Bears on Hemlock Mountain, Dalgliesh (3.7)
Doctor De Soto, Steig (3.7)
Millions of Cats, Gag (3.6)



## Grade 4

Cricket in Times Square, Selden (4.7) Good Master, Seredy (4.7) Jennifer, Hecate, William Macbeth, McKinley. and Me, Elizabeth, Koningsburg (4.9) Kneeknock Rise, Babbitt (4.3) Little House in the Big Woods, Wilder (4.0) Little Town on the Prarie, Wilder (4.2) Long Winter, Wilder (4.4) Hundred Penny Box, Mathis (4.5) Minn of the Mississippi, Holling (4.7) Misty of Chincoteague, Henry (4.7) Shadrach, De Jong (4.8) Sugaring Time, Lasky (4.8) Wish Giver, Brittain (4.7)

#### Grade 5

Along Came a Dog, De Jong (5.0) By the Shores of Silver Lake, Wilder (5.1) Charlotte's Web, White (5.0) Dark is Rising, Cooper (5.9) Dragonwings, Yep (5.5) Egypt Game, Snyder (5.9) Figgs and Phantoms, Raskin (5.5) Fledging, Langton (5.8) Great Gilly Hopkins, Paterson (5.3) Headless Cupid, Snyder (5.7) Witches of Worm, Snyder 5.4) Hurry Home, Candy, De Jong (5.0) Justin Morgan Had a Horse, Henry (5.0) My Brother Sam is Dead, Collier (5.8) Noonday Friends, Strolz (5.3) On the Banks of Plum Creek, Wilder (5.0) Philip Hall Likes Me, Green (5.0) Planet of Junior Brown, Hamilton (5.5) Ramona Quimby, Age 8, Cleary (5.7) Sign of the Beaver, Speare (5.0) Sing Down the Moon, O'Dell (5.3) Sweet Whispers, Brother Rush, Hamilton (5.8) These Happy Golden Years, Wilder (5.1) Tumbs of Atuan, LeGuin (5.8) Upon the Head of the Goat, Siegal (5.6) When Shiemiel Went to Warsaw and Other Stories, Singer (5.6)

#### Grade 6

Abel's Island, Steig, (6.9)



Anpao, Highwater (6.2)
Black Caldron, Alexander (6.4)
Black Pearl, O'Dell (6.4).
Blue Sword, McKinley (6.0).
Castle, Macauley (6.0)
Graven Images, Fleischman (6.9)
Homesick, My Own Story, Fritz (6.1)
Middle Moffat, Estes (6.0)
Perilous Gard, Pope (6.1)
Ring of Endless Light, L'Engle (6.1)
Solitary Blue, Voight (6.9)
String in the Harp, Atheneum (6.1)

